

# Massachusetts Childcare/Preschool Immunization Survey Results by County 2018-2019

County	Number of Programs*	Number of Children	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	1 Varicella	Series Complete	Medical Exemptions	Religious Exemptions	Total Exemptions	Un-immunized
Barnstable	95	2,663	95.4%	95.3%	96.7%	94.6%	94.6%	96.0%	93.7%	0.3%	1.8%	2.1%	1.5%
Berkshire	73	1,494	94.4%	94.9%	96.6%	95.1%	93.2%	95.7%	93.0%	0.3%	1.5%	1.8%	1.1%
Bristol	240	7,959	98.0%	98.3%	98.5%	98.1%	97.4%	98.2%	97.2%	0.1%	0.6%	0.7%	0.4%
Dukes	11	180	93.9%	96.1%	92.8%	93.3%	88.9%	93.3%	92.2%	0.6%	8.9%	9.4%	3.3%
Essex	337	12,524	97.1%	96.6%	97.5%	96.9%	96.2%	97.2%	95.7%	0.3%	0.8%	1.1%	0.6%
Franklin	41	924	95.9%	94.9%	96.6%	95.2%	95.1%	95.6%	94.4%	0.1%	4.3%	4.4%	2.5%
Hampden	173	5,956	97.5%	97.9%	98.2%	97.0%	97.7%	98.1%	97.0%	0.2%	1.0%	1.2%	0.6%
Hampshire	68	1,967	95.7%	95.7%	97.1%	95.8%	94.5%	95.6%	94.5%	0.4%	2.2%	2.6%	1.2%
Middlesex	752	27,018	97.2%	97.5%	98.3%	96.6%	97.0%	97.6%	96.4%	0.3%	0.6%	1.0%	0.4%
Nantucket	8	262	97.7%	96.6%	96.9%	96.6%	95.8%	95.4%	95.8%	0.0%	1.9%	1.9%	1.5%
Norfolk	337	11,343	98.3%	98.1%	98.5%	98.2%	97.9%	98.2%	97.1%	0.4%	0.7%	1.1%	0.4%
Plymouth	210	7,567	96.7%	97.2%	97.4%	96.8%	96.3%	96.9%	96.0%	0.4%	1.0%	1.4%	0.6%
Suffolk	358	9,556	93.7%	94.4%	95.5%	93.6%	93.8%	94.5%	92.5%	0.2%	0.4%	0.6%	0.3%
Worcester	319	11,318	96.9%	97.4%	98.2%	96.9%	96.2%	97.9%	95.9%	0.2%	0.9%	1.0%	0.5%
<b>State Total</b>	<b>3,022</b>	<b>100,731</b>	<b>96.8%</b>	<b>97.1%</b>	<b>97.8%</b>	<b>96.6%</b>	<b>96.4%</b>	<b>97.3%</b>	<b>95.9%</b>	<b>0.3%</b>	<b>0.8%</b>	<b>1.1%</b>	<b>0.5%</b>

\* Number of programs is for all childcare programs in the county - data only represents those programs that responded to the survey

**Number of Children** Vaccination and exemption rates are assessed on children 2 years of age and older

**4 DTaP** 4 doses of DTaP (diphtheria, tetanus and pertussis) vaccine

**3 Polio** 3 doses of polio vaccine

**1 MMR** 1 dose of MMR (measles, mumps and rubella) vaccine

**3 Hib** 3 or more doses of *Haemophilus influenzae* type b vaccine

**3 Hep B** 3 doses of hepatitis B vaccine

**1 Varicella** 1 dose of varicella vaccine or a reliable history of chickenpox disease

**Series** 4 DTaP + 3 Polio + 1 MMR

**Unimmunized** Children with an exemption with no documented vaccines

•All data are self-reported by the programs and discrepancies may exist. The Immunization Division continues to work with programs to resolve discrepancies and update immunization data, when possible.

•Data are collected in the fall, but immunization data are often updated throughout the year and rates (during the same school year) may be higher than reported due to additional children receiving immunizations or bringing records to their program. Also, the childcare population is dynamic and as children arrive and leave the programs, the immunization rates are impacted.

•Children are allowed a medical or religious exemption to one or more vaccines.

•Children without the required number of doses of vaccine do not necessarily have an exemption on file.

•Children without a record of vaccination, but with serologic proof of immunity to certain diseases (measles, mumps, rubella, hepatitis b and varicella), meet child care entry requirements, but may not be counted as vaccinated.

•Data from 30 child care programs are omitted from this report due to discrepancies that were unable to be resolved by the Immunization Division